

EPA Official Record

Mail ID: A85D9B9A5417964AB4E85B0F1525D7745D1CDBFD

From: MossJE@state.gov

To: Nunez, Carlos

Copy To: Miller, Andy; Bloomer, Bryan; Jetter, James; Thompson, Bob

Delivered Date: 02/20/2013 09:06 AM EST

Subject: RE: Please send Agency updates!

Carlos, thanks. This request is just looking for updates since the last interagency meeting, and not a full summary of what each agency is doing. Those full summaries we update each fall at the time of the Alliance anniversary. The updates John Mitchell sent in from ORD are pasted immediately below. If you want to add to those, let me know ASAP.

Also, just to be clear, the very last item you note below (award to Rufus Edwards) has never been included in ORD's summary commitment under the Alliance. That message came from Dan Costa. I'm of course happy to start including it and give ORD credit for it, but I also fully understand Dan's position and will continue to proceed as he advised unless he advises otherwise. No need to reply to this piece unless there's a change.

- An Intensive Training Workshop on Cookstove Testing, sponsored by the Global Alliance for Clean Cookstoves, was hosted by EPA at the RTP Conference Center and Cookstove Testing Facility on Jan. 28 - Feb. 1, 2013. The purpose of the program was to share knowledge of cookstove testing and support the development of regional (international) cookstove testing centers – some of which are supported by Alliance grants. The goal is to establish a network of centers with increased capacity to effectively evaluate, develop, and certify cookstoves using international standards and test protocols. The Workshop included 42 participants from 16 different countries, and included faculty from EPA, Colorado State University, Aprovecho Research Center, University of Illinois, and Berkeley Air Monitoring Group. Participants were actively engaged in classroom and laboratory activities, and many important topics were identified for further discussion and research. The Alliance will sponsor a series of cookstove testing workshops at rotating locations, and EPA was honored to host the first event. For further information, please see a [Communiqué](#) prepared by participants.
- Proposals have been recommended for funding for the recent STAR cookstoves solicitation. We expect that these projects, which will be using both measurements and modeling to estimate the effectiveness of residential burning interventions to mitigate air pollution and climate change, will be announced in spring of 2013.

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From: Nunez, Carlos [mailto:Nunez.Carlos@epa.gov]

Sent: Tuesday, February 19, 2013 5:34 PM

To: Moss, Jacob E

Cc: Miller, Andy; Bloomer, Bryan; Jetter, James; Thompson, Bob
Subject: RE: Please send Agency updates!

Jacob

I don't know if I misunderstood your request, but I searched for what we have expressed as EPA's commitments in the recent past and the areas where we plan and continue to play a role in this area are still relevant. I believe this information can support your dialogue with the chinese delegates and encourage their collaboration. Please let me know if you are seeking something different. By the way, we just switched to a new email system, so I hope this makes it your way. Thanks!

EPA is leading global efforts related to cookstove testing in the lab and field through extensive, independent laboratory testing, organizing regional capacity building, stove testing and performance workshops, and sponsoring in-field stove testing research projects in Nepal, India, and Peru. EPA is also providing leadership in addressing emerging environmental issues and advancing the science and technology of risk assessment and risk management associated with cookstoves. We are supporting capacity building, development of international standards and protocols, tools to optimize the selection of the best cookstove systems. As you know, these are very tough financial times, so our commitments are going to be dependent upon budgets. However, EPA has planned to support the cookstove effort and the overall Global endeavor with over \$6 million for a period of five years with about 5 FTEs.

In the Emissions Standards and Testing, EPA has committed approximately \$2.8 million towards laboratory and field studies of cookstove emissions, as well as the development of protocols and standards to improve stove performance characterization.

- EPA has built a new stove testing laboratory in North Carolina that has the capability to test portable cookstoves, built-in-place stoves with chimneys (up to 5m in height), and solar cookers. A current round of testing is evaluating the performance of 20 cooking technologies and fuels under a variety of operating and testing conditions for fuel consumption, energy efficiency, power, and emissions. Results from testing are used to inform cookstove design, to evaluate performance before field trials, and to develop standards for cookstoves.
- EPA has awarded competitive contracts to Berkeley Air Monitoring Group and Aprovecho Research Center to conduct six additional field studies to evaluate stove performance. These studies will provide critical data on the fuel use savings and emissions of a variety of technologies and fuels. The first two studies will begin in late summer/early fall 2012 in Uganda and Vietnam.
- EPA is providing critical research to develop international standards so that all countries, manufacturers, and third party certifiers will ultimately have access to comparable data, and so worldwide emission and efficiency goals can be more easily established and measured. Studies will be designed to improve and develop laboratory and field testing protocols and standards to ensure uniformity in the way emissions and performance of new stoves are characterized. Results are expected to improve correlation between laboratory and field test results, as well as understanding of the benefits and limitations of laboratory and field testing.

In the Climate area, EPA's research funding opportunity "Measurement and Modeling for Quantifying Air Quality and Climate Impacts of Residential Biomass or Coal Combustion for Cooking, Heating, and Lighting" closed in June 2012, and applications are under review (\$3.5 million anticipated, see <http://www.epa.gov/ncer/rfa/>). This is expected to be awarded to projects that use both modeling and measurements of ambient or indoor air quality to address at least one of the following questions:

1. How would a feasible set of interventions for residential cooking, heating, or lighting in a developing part of the world impact air quality and climate?
2. What is the realistic range and timeframe of foreseeable benefits to air quality and climate of various interventions in cooking, heating, or lighting practices in a developing part of the world, considering regional constraints (e.g., acceptability and availability of different technologies or fuels) and sustainability of alternate fuels or technologies?

EPA also awarded a \$900,000 grant “Characterization of Emissions from Small, Variable Solid Fuel Combustion Sources for Determining Global Emissions and Climate Impact” (Principal Investigator: Rufus Edwards, University of California, Irvine) under the funding opportunity “Black Carbon's Role in Global to Local Scale Climate and Air Quality”. This project focuses on measuring and characterizing emissions from two major global source categories of black carbon emissions—residential cookstoves and small-scale industrial sources, such as brick kilns—through field campaigns in the Himalayan Region (China, Tibet, Nepal, Northern India). The project’s main objective is to obtain real-time emissions measurement data from in-use residential and industrial sources and conduct intensive chemical analysis of emissions from these in-use sources as compared to emissions from clean sources (particularly advanced biomass stoves). The emissions data will be used to improve the emissions factors and activity levels that underpin global BC emissions inventories, and also will be used to quantify the connection between mass-based measurements and light absorption-based measurements. This new set of data would greatly improve one of the most uncertain aspects of global BC emissions inventories, which will lead to better information on its climatic and health impacts.

Bryan, can you confirm this last entry? Thanks!

From: Moss, Jacob E [<mailto:MossJE@state.gov>]
Sent: Tuesday, February 19, 2013 12:57 PM
To: Foster, Jeremy (E3/E&I/E); Mitchell, John; Nunez, Carlos; Levine, Elliott (Elliott.Levine@ee.doe.gov); Magistro, John (jmagistro@peacecorps.gov)
Subject: RE: Please send Agency updates!

Guys – please send your updates ASAP. Just waiting on AID, EPA, DOE, and Peace Corps. Thanks!

This email is UNCLASSIFIED.

From: Moss, Jacob E
Sent: Friday, February 15, 2013 1:50 PM
To: 'Baldinger, Pamela(EGAT/I&E/E)'; Mitchell, John (Mitchell.John@epamail.epa.gov); Carlos Nunez (nunez.carlos@epa.gov); 'Anenberg.Susan@epamail.epa.gov'; 'Sage, Michael J. (CDC/OSTLTS)'; Lindsey Horton (jvz3@cdc.gov); 'Levine, Elliott (Elliott.Levine@ee.doe.gov)'; Richard Greenberg (richard.greenberg@opic.gov); 'Brady Phillips (brady.phillips@noaa.gov)'; Magistro, John (jmagistro@peacecorps.gov)
Subject: Please send Agency updates!

Just to you as agency leads – can you please be sure to send me your agency updates ASAP? I’ve only received from 2 agencies so far. I would like to circulate them Tuesday before next Wednesday’s interagency meeting. Just one update per agency. Last updates are attached.

Thanks,
Jacob

Jacob E. Moss
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